Position Title: MRI Scientist/Engineer

Hiring Manager: Irving Weinberg MD PhD ([inweinberg@gmail.com](mailto:inweinberg@gmail.com)), who will be attending the ISMRM

Location: Rockville, Maryland

Role Summary: Assist dynamic small company developing image-guided therapy and neuronal visualization using magnetic particles. Company has spun-out several daughter companies that are thriving. Next spin-out (www.neuroparticle.com) will be in magnetic particle therapy using MRI guidance. Subsequent spin-out will be in soft robotics.

Essential Responsibilities:
Implement standard MRI sequences on non-standard (e.g., electropermanent, non-toroidal) MRI platform.
Customize new rapid sequences for particle visualization and thermometry.
Assist in developing magnetic gradient sequences for particle propulsion.

Qualifications/Requirements:
PhD or MS degree in Physics, Engineering, Applied Math
Fluent in MATLAB and/or C++
Medical device experience would be nice
Familiarity with both Python and Monty Python
Familiarity with MRI pulse sequences and underlying physical processes
Comfortable with dynamic and diverse start-up environment
Not afraid to try to accomplish things that have never been done before (by anybody)
Must know at least one language besides English
Enjoy travel to Asia, Europe